

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L4	3	("7213650").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/03/07 08:57
L5	2	("7318471").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/03/07 08:58
L6	6	((("7213681") or ("7216738")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/03/07 08:59

L7	54	(US-20100044032-\$ or US-20070256828-\$ or US-20060096752-\$ or US-20050284625-\$ or US-20050098319-\$ or US-20050028983-\$ or US-20020153135-\$ or US-20020070017-\$ or US-20030085038-\$).did. or (US-6886406-\$ or US-6691778-\$ or US-6554064-\$ or US-5595243-\$ or US-6877561-\$ or US-6814141-\$ or US-6557634-\$ or US-6230802-\$ or US-5969235-\$ or US-5676213-\$ or US-5282508-\$ or US-5273114-\$ or US-4718774-\$ or US-4665980-\$ or US-4393932-\$ or US-6619394-\$ or US-6851444-\$ or US-6837310-\$ or US-6705396-\$ or US-6588505-\$ or US-6568472-\$ or US-6412354-\$ or US-6390191-\$ or US-6227293-\$ or US-6220371-\$ or US-6012521-\$).did. or (US-6009948-\$ or US-5836389-\$ or US-5458860-\$ or US-5377750-\$ or US-5184678-\$ or US-4537256-\$ or US-7318471-\$ or US-7213650-\$ or US-6973972-\$ or US-6886634-\$ or US-3113621-\$ or US-7353869-\$ or US-7343970-\$ or US-7100690-\$ or US-6978831-\$ or US-6880402-\$ or US-6131659-\$ or US-5092176-\$).did. or (US-3527300-\$).did.	US-PGPUB; USPAT; USOCR	OR	ON	2011/03/07 09:55
L8	5	("4393932"   "4665980"   "5273114"   "6554064"   "6557634").PN.	US-PGPUB; USPAT	OR	ON	2011/03/07 09:56
L9	49	7 not L8	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/03/07 09:56
S1	5	("4393932"   "4665980"   "5273114"   "6554064"   "6557634").PN.	US-PGPUB; USPAT	OR	ON	2011/03/04 09:53
S2	1058	(166/249,311,177.6).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/03/04 11:51

S3	2522	(166/249,311,177.6,278,51,177.1,177.2).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/03/04 11:51
S4	1220	S3 and (gravel near3 pack\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/03/04 11:51
S5	136	S4 and vibrat\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/03/04 11:52
S6	17	("20020153135"   "20050028983"   "4393932"   "4665980"   "4718774"   "5273114"   "5282508"   "5595243"   "5676213"   "5969235"   "6230802"   "6554064"   "6557634"   "6691778"   "6814141"   "6877561"   "6886406").PN.	US-PGPUB; USPAT	OR	ON	2011/03/04 12:00
S7	20	("20020070017"   "4537256"   "5184678"   "5377750"   "5458860"   "5595243"   "5836389"   "6009948"   "6012521"   "6220371"   "6227293"   "6390191"   "6412354"   "6554064"   "6568472"   "6588505"   "6619394"   "6705396"   "6837310"   "6851444").PN.	US-PGPUB; USPAT	OR	ON	2011/03/04 12:05
S8	18	S7 not S6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/03/04 12:05

S9	13	("20070187112"   "3113621"   "3830294"   "4291395"   "4323991"   "4665980"   "5009272"   "5297631"   "5361830"   "5439290"   "5579845"   "6250388"   "6390191").PN.	US-PGPUB; USPAT	OR	ON	2011/03/04 12:16
S10	11	S9 not (S6 or S7)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/03/04 12:16
S11	207	("20020007948"   "20030101822"   "3056284"   "3341835"   "3378075"   "3478883"   "3527300"   "3578081"   "3648769"   "3688188"   "3721297"   "3926271"   "3970146"   "4092858"   "4236580"   "4280557"   "4280558"   "4320528"   "4343356"   "4437518"   "4444146"   "4512401"   "4537256"   "4538682"   "4553137"   "4640360"   "4658897"   "4667742"   "4669310"   "4673037"   "4718774"   "4788467"   "4815328"   "4824258"   "4856584"   "4872347"   "4874061"   "4890682"   "4913234"   "4972906"   "4994671"   "5038033"   "5072388"   "5092176"   "5109922"   "5112642"   "5121363"   "5159160"   "5159838"   "5184678"   "5201215"   "5229552"   "5229554"   "5234056"   "5247156"   "5309405"   "5321213"   "5476143"   "5477506"   "5515918"   "5577559"   "5579842"   "5591922"   "5595243"   "5646338"   "5661233"   "5664628"   "5676213"   "5727628"   "5730223"   "5734098"   "5735226"   "5803170"   "5827952"   "5831743"   "5889209"   "5964296"   "5969235"   "6009948"   "6065535"   "6125933"   "6131659"   "6247354"   "6286370").PN. OR ("2005/0028983"   "2005/0098319"   "2005/0284625"   "3113621"   "5595243"   "6554064"   "6691778"   "6886406").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2011/03/04 12:17

S12	177	S11 not (S5 or S6 or S7 or S9)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/03/04 12:18
S14	1	(10/763298).APP.	US-PGPUB; USOCR	OR	ON	2011/03/04 13:30
S15	4	((("6684951") or ("6554064"))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/03/04 13:31

3/7/11 9:56:32 AM

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